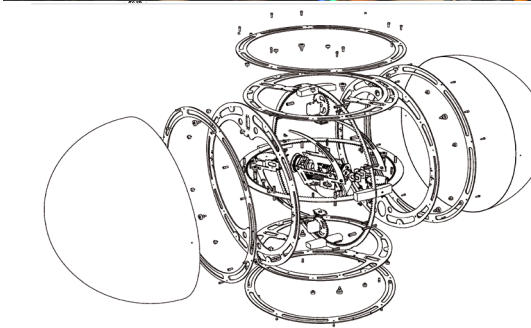
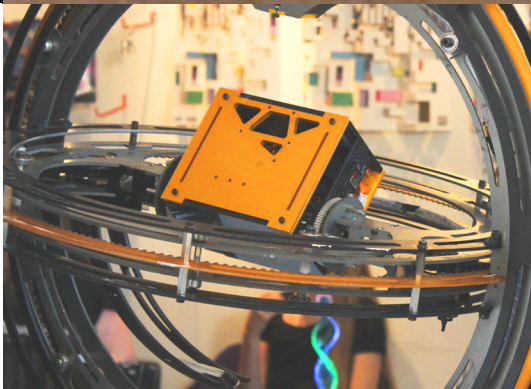
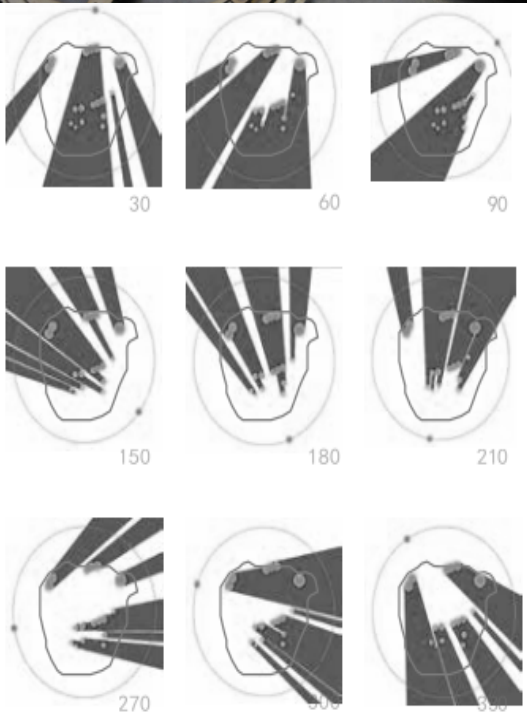


CURRICULUM **VITAE**
JAIMME **GUAN**

BRONZE EAR AWARD WINNER BARTLETT
PROGRAMMER ENGINEER ARCHITECT
MOBILE: (+044) (0)7419214403 EMAIL: JAIMME6666@GMAIL.COM



JAIMME GUAN

CONTACT ME

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NW1 2PB LONDON
+044 (0)7419214403
JAIMME6666@GMAIL.COM

DATE OF BIRTH: 6 JUNE 1983
NATIONALITY: CHINA

AWARDS & EXHIBITION

Bronze Ear Prize Winner of Bartlett in GAD
(individual , it usually for group work)
"1st Element" in London Kinetic Art Fair 2014

MY EDUCATION

2013.9-2014.9

BARTLETT SCHOOL OF ARCHITECTURE

MArch Graduate Architectural Design

Bronze Ear Prize Winner

Distinction

Design 94 (2nd of programme)

Research thesis 95 (1st)

LONDON.UK

2012.9-2013.1

LABORATORY FOR COMPUTATIONAL DESIGN

Professional Study of Computational design

Researches on parametric design

of digital technology from Workshops

(Indexing ,Processing ,Interactive Media)

(held by Architectural Association China Club)

BEIJING, P.R.C.

2002.9-2007.9

WUHAN NATIONAL UNIVERSITY

Bachelor of Architecture

WUHAN, P.R.C.

Reference

Alisa Andrasek

Director, Graduate Architectural Design,

Bartlett School of Architecture

Biothing, founder and principal

Bloom Games, partner

London,UK

Tel: +44 7545338136

Email:andrasek@gmail.com

I am an Architect(5 years working experience) with strong coding capacity and enthusiasm of robotic and data interface. I am crazy about designing from bits to atoms, by programming, engineering, fabrication. I am an Architect but also like a creator which is half scientist and half artist. With the desire to create kinetic Architecture to observe more in the world, I am forever young. Since graduation of my bachelor degree in 2002, I have engaged in more than 20 different architecture projects , from concept design to detail design, including large-scale commercial centers and high rise buildings. After 2013, I went to LCD and Bartlett to seek new future of Architecture.

PROJECTS 2014 (Installation , Product & Robot)

"FLY FLUID" Interactive Installation"(concept, mechanism, software ,Charli finish the fabrication)

"1ST ELEMENT".....The first 3 axes spherical robot in world. (coding , engineering, fabrication)

(Prototype 4 shown in UCL Quad) <https://www.youtube.com/watch?v=yOC1OB90AOk>

(Design and Animation) <http://youtu.be/53RNcsAwLEk>

(In Kinetic Art Fair 2014) <http://youtu.be/TQ7BNy6ORlc>

(After graduate from bartlett , from September to now)

"VISION LIGHT" Kinetic intelligence light (coding ,mechanism design)

"SPACE DATA INTERFACE".....(concept)

RESEARCH

(During the study in Bartlett School , individual)

Morphology and HRI in Architectural Robotics: Interfering Proximity Behavior by Spherical Robots

(After graduate from bartlett , from September to now)

The omni-direction high speed spherical robot: cooperation of PID algorithm and FO control.

WORK EXPERIENCE & MAIN PROJECTS

SENIOR ARCHITECT (08.2011-09.2012)

ATKINS CONSULTANTS CO.LTD.

<http://www.atkins.com.cn/mainland/default.htm>

Fenglong 500m Super High Project Concepts Competition(concept design)

HangzhouTaihu Holiday Hotel.....(shape-designing, and detail design)

Hainan Wenchang Holiday Resort.....(participated in the whole process of design)

ARCHITECT & PROJECT MANAGER (11.2009-06.2012)

PUBLIC CONSTRUCTION DEPARTMENT

PEDDLE THORP MELBOURNE PTY.LTD. W

PEDDLE THORP(MELBOURNE)AISA

<http://www.ptma.com.cn/>

Guiyang China Railway Center Project.....(Project manager & principle designer)

Chengdu Logistics Center Project.....(as the principle designer,organized my team)

Chong qing Hot spring Holiday Hotel(Project manager)

Bid for Shenzhen Bolun Vocational Skills School.....(makingprojectplananditsimplementation)

Bid for Super High Building for Opera.....(group work ,successful bid)

Bid for Chongqing Bishan Middle & Elementary School.....(concept design)

Guangzhou Bio-island Project.....(principle designer)

Chongqing Xiushan Community and Holiday Hotel Project(principle designer)

ARCHITECT (2007.10 -2009.10)

ZHUBO DESIGN GROUP CO.LTD.

<http://www.zhobo.com/>

Dalian Xishan Zhengyuan Community Project.....(single design,plan to expansion design)

Bao li Changsha GreenSource Project.....(single design)

Wanke An ping jie Residential Design.....(elevationdesign)

Ma shan zhai Sport Project Design.....(shapedesign)

Chongqing Da chuan Kindergarten Design.....(concept to detaildesign)

SKILL SET

PROGRAM

Arduino	● ● ● ●
Processing	● ● ● ●
Firefly	● ● ● ●
C++	● ● ●
Java	● ●
Basic	● ● ● ●
Pasica	● ●
Logo	● ● ●
Python	● ●

MODELING & VISION

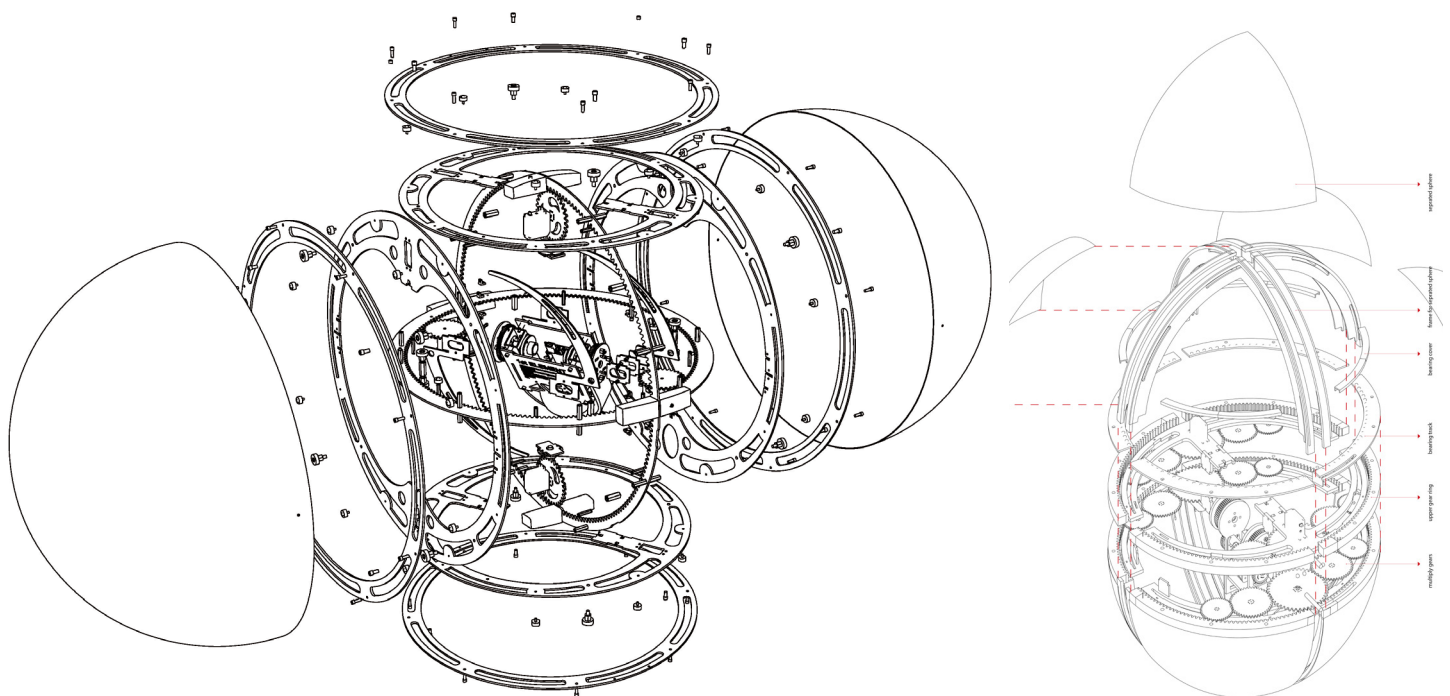
Auto CAD	● ● ● ●
3D MAX	● ● ●
Rhino	● ● ● ●
Maya	● ●
Keyshot	● ● ● ●
Zbrush	● ● ●
Adobe Photoshop	● ● ● ●
Adobe Indesign	● ● ● ●
Adobe Premier	● ● ●

HARDWARE

Arduino Board	● ● ● ● ●
Wireless Control Device	● ● ● ●
Servos and Step Motors	● ● ● ● ●
FABRICATION	
CNC Machine	
Water Jet	
3D Printer	
ABS Robot	
Universal Robot	

A photograph of a workspace. On the left, a laptop is open, displaying a web browser with a white page. To its right is a black computer mouse. In the foreground, on a white table, are various electronic components and tools: a blue plastic bottle, a yellow and black battery pack, a small circuit board with wires, a black power supply unit, a yellow circuit board, and a black battery pack. A small, clear plastic box is also visible near the laptop. The background shows a dark leather sofa and a wooden wall.

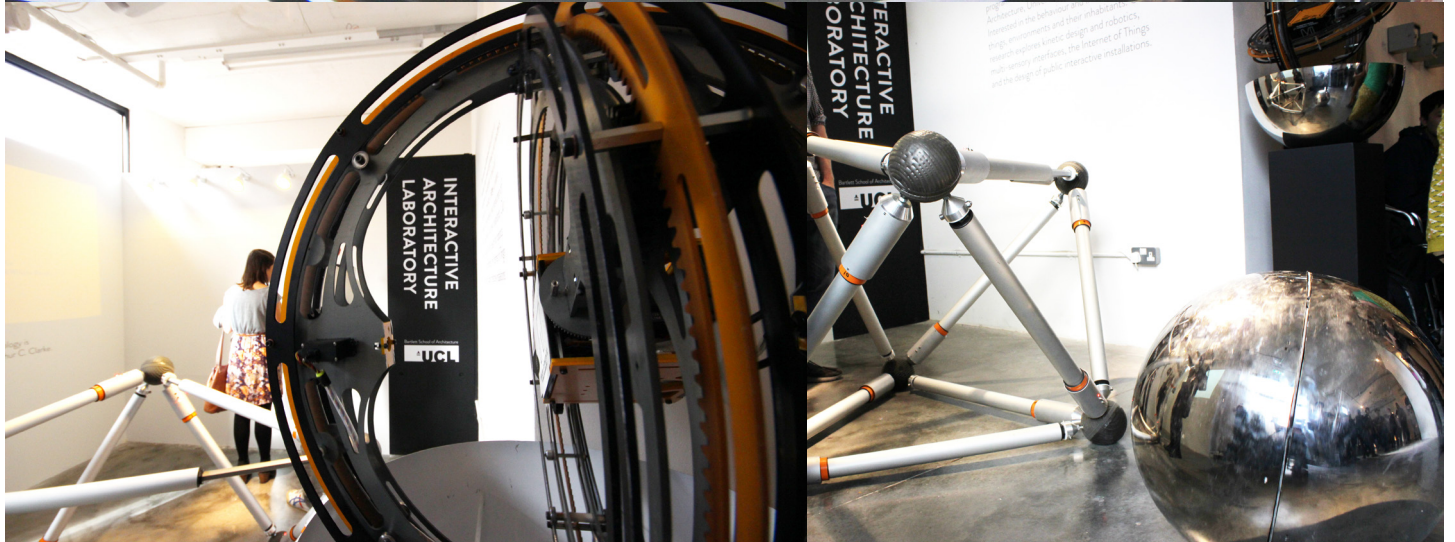
A detailed cutaway rendering of the Mars Science Laboratory (MSL) rover, showing its internal mechanical components, including the suspension system, wheels, and the central body. The rover is shown in a desert-like environment, with a reddish-brown surface and a clear sky.



1st Element Project (Prototype3 : self-assembly)

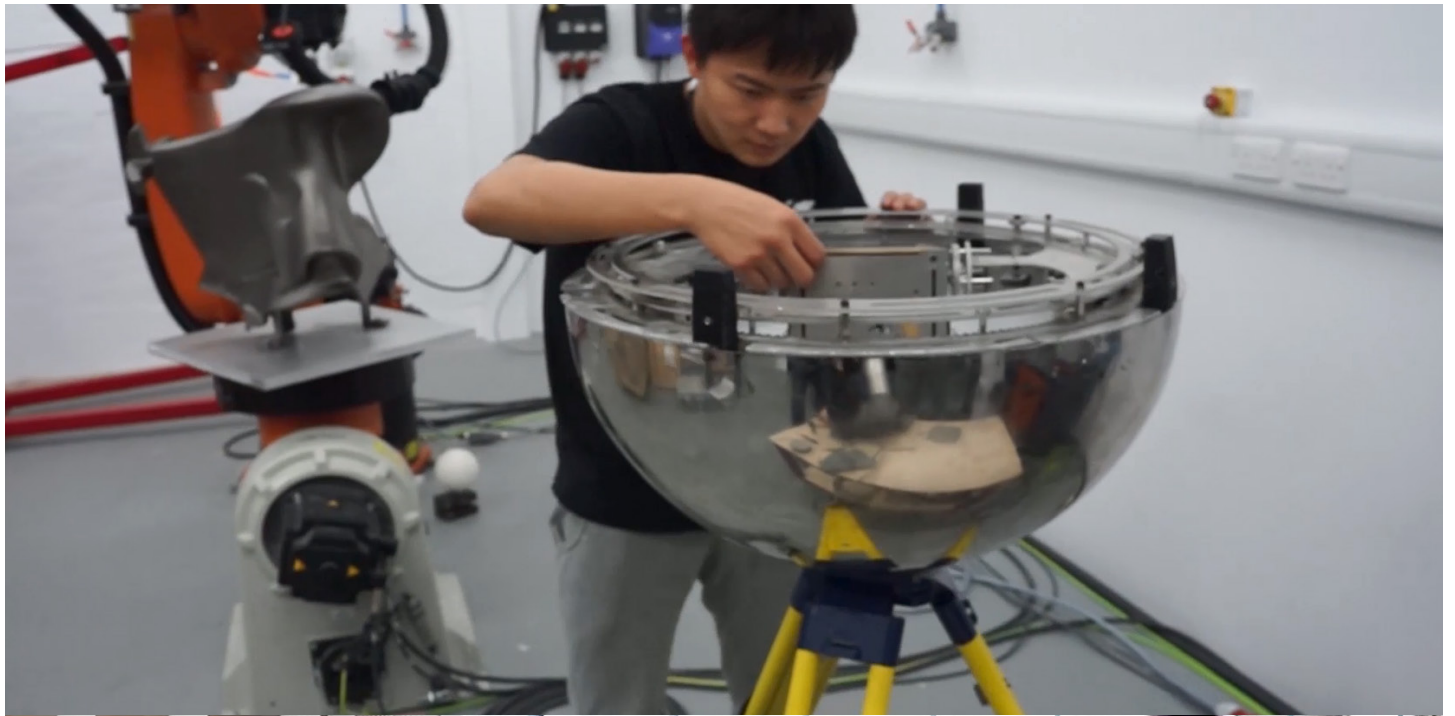


1st Element Project (Prototype5 and prototype 6 are showing in the Kinetic Art Fair 2014)



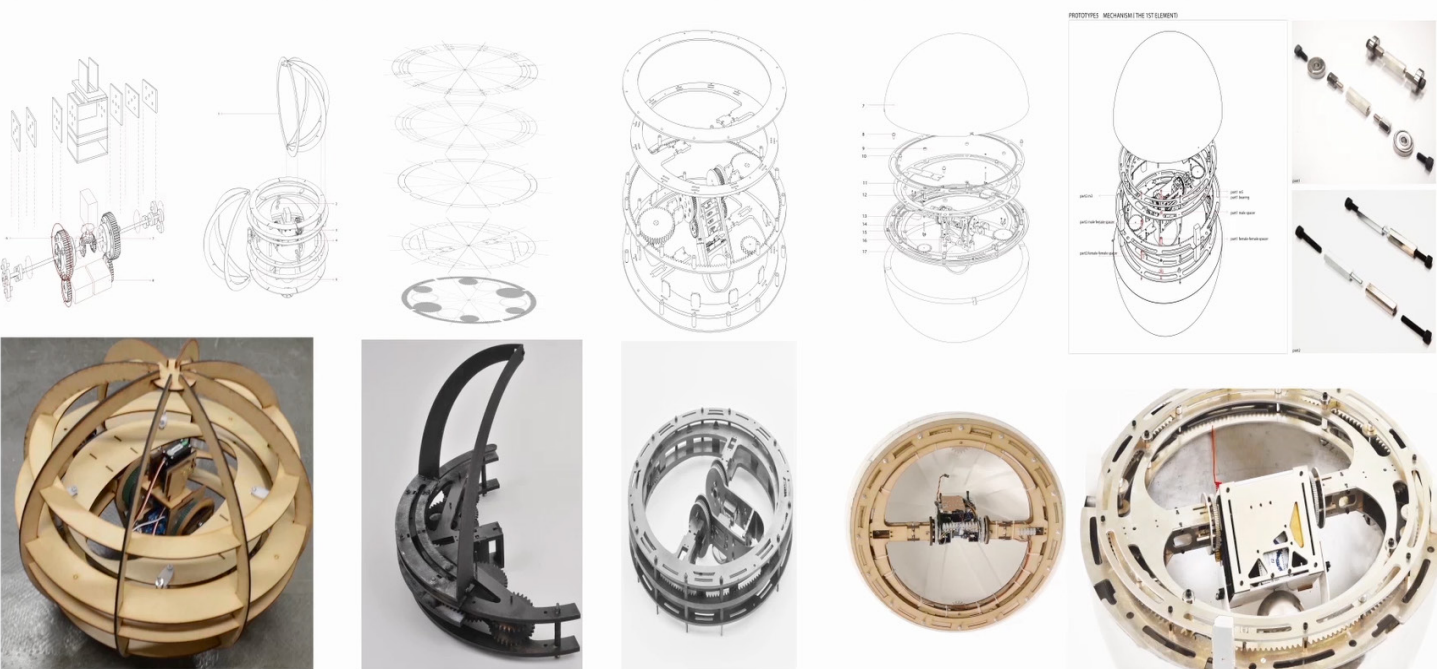
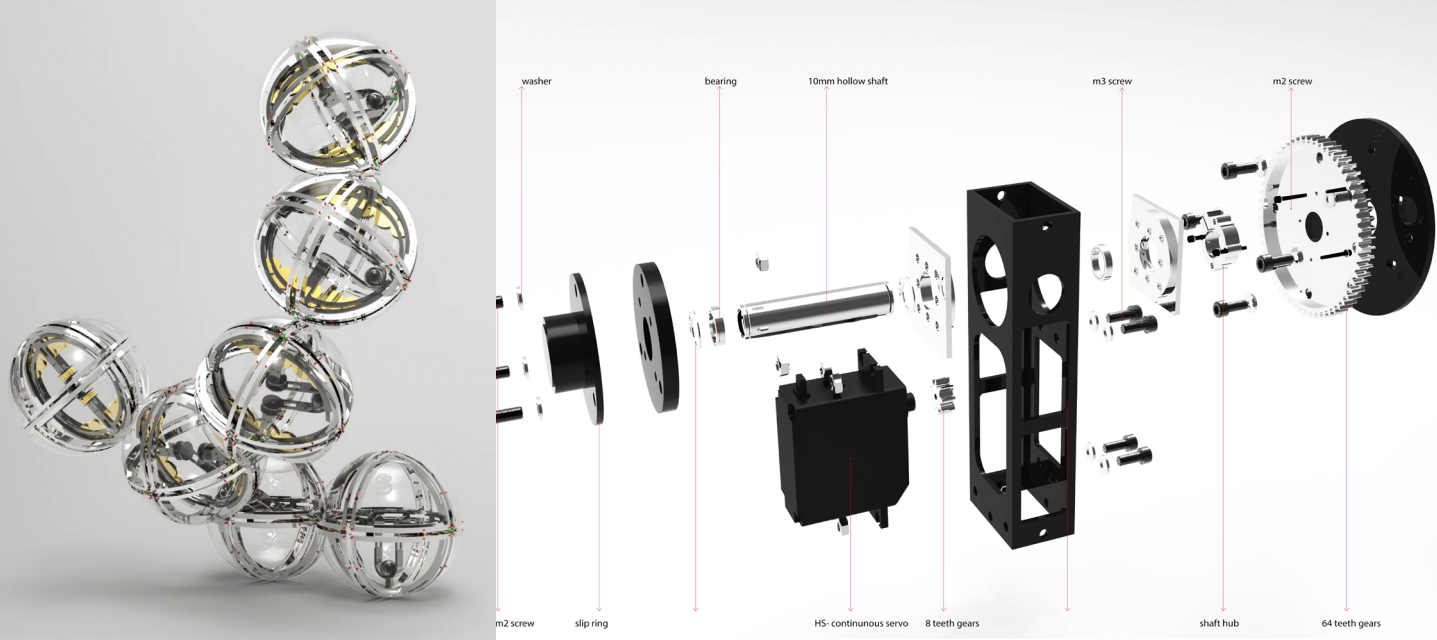
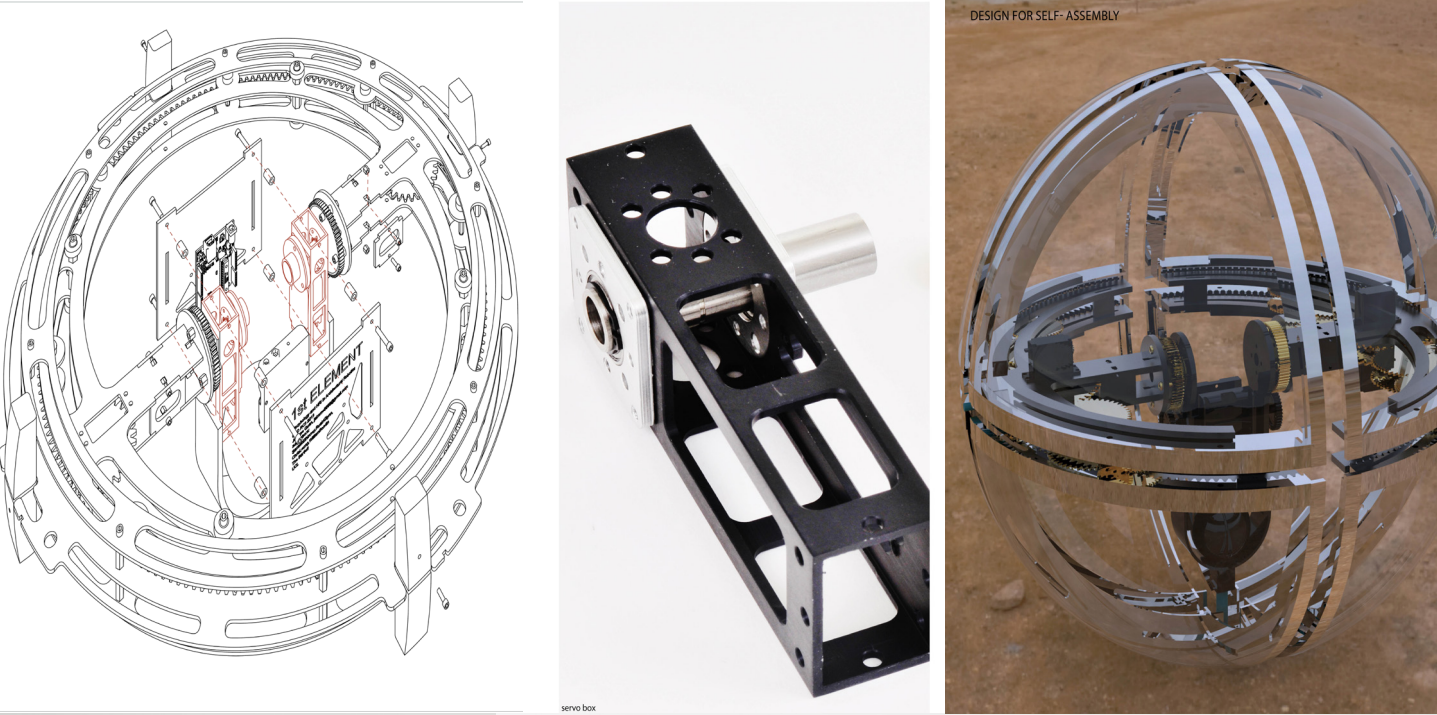
The 4th, 5th, 6th prototypes of " 1st Element " , finally the 6th was shown in Kinetic Art Fair 2014 in London. Now it has more then 700 parts inside. It is remote controlled based on adruino board. I create 6 prototypes individually (hardware, software, engineer, fabrication) .

1st Element Project (prototype 5)



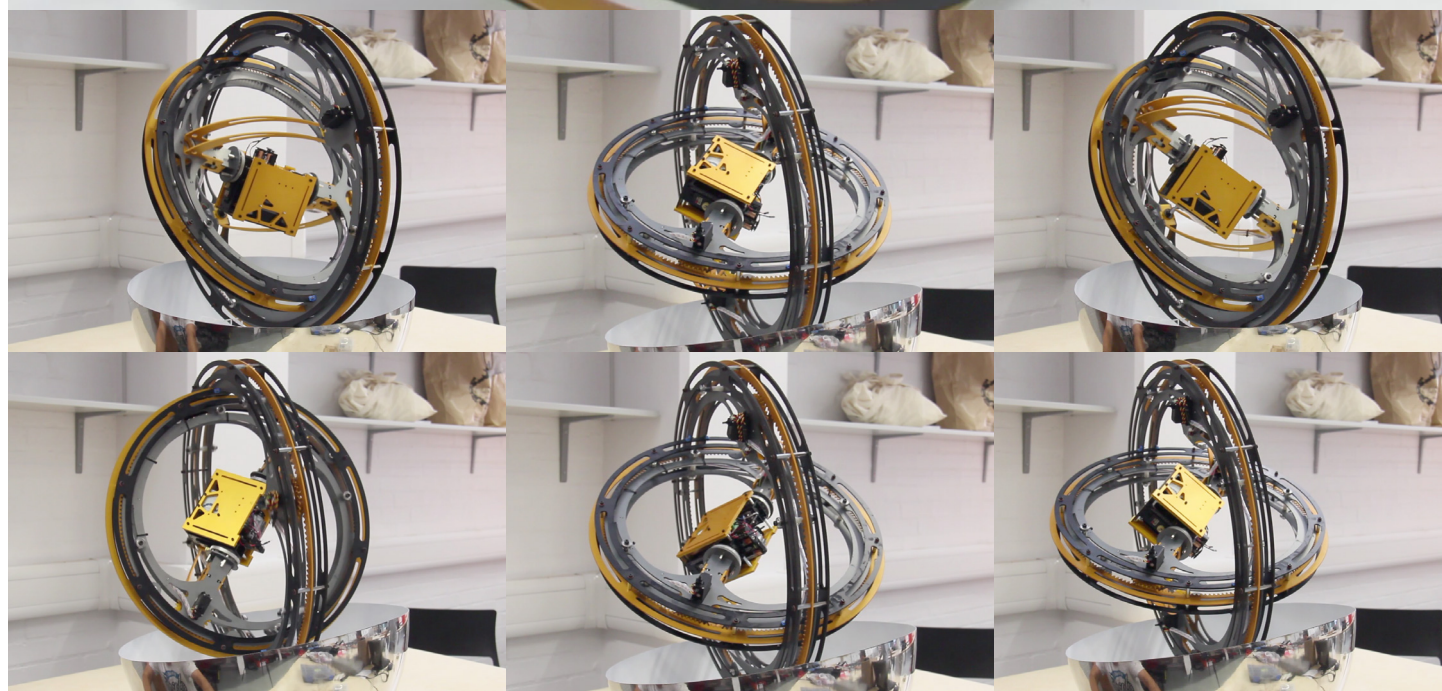
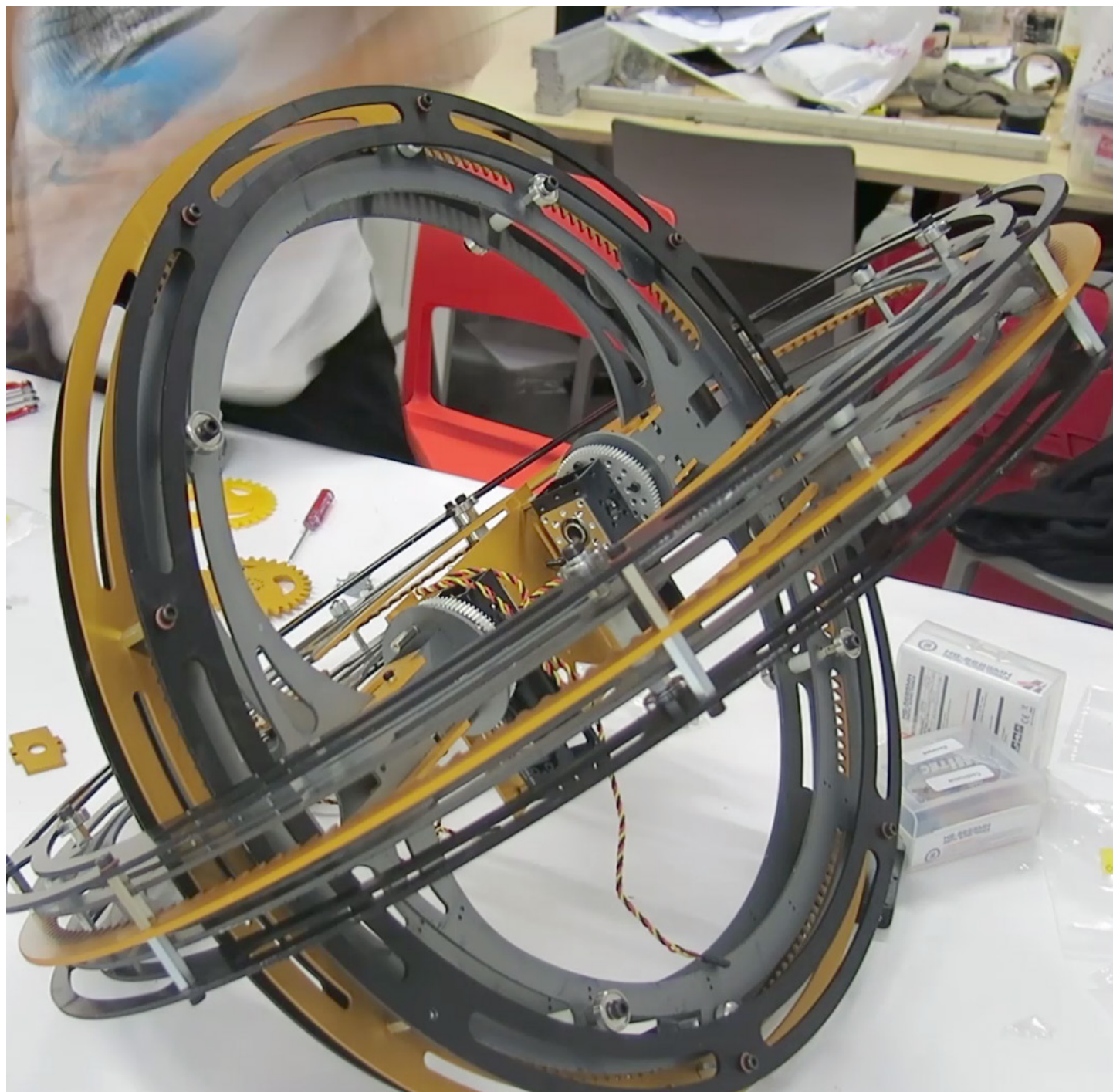
The fabrication and experiment of prototype 5th in the quad of UCL to observe the social interactive capacity to modify the pedestrians' spatial behavior, the details is recorded in my thesis.

1st Element Project from prototype 1 to 5

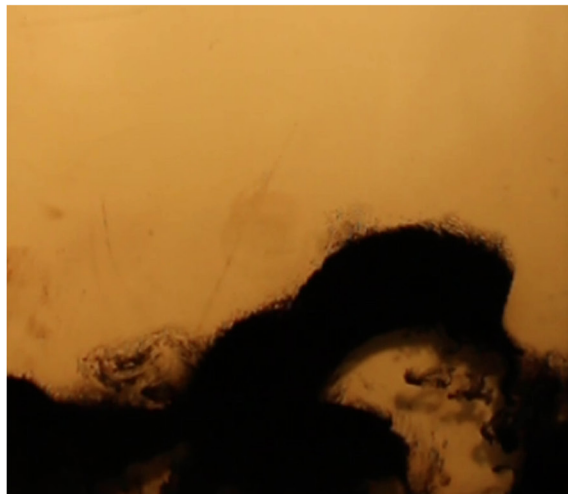
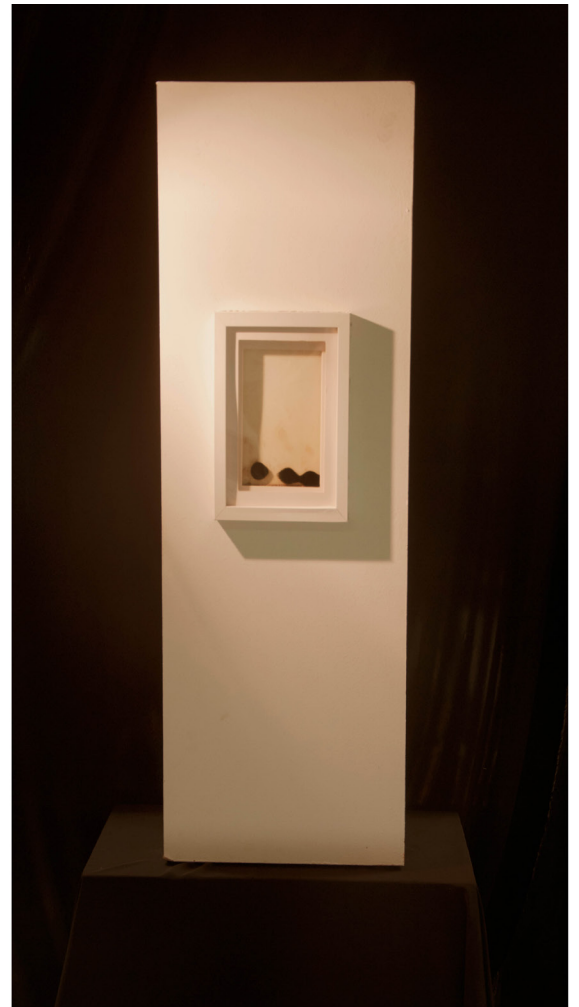
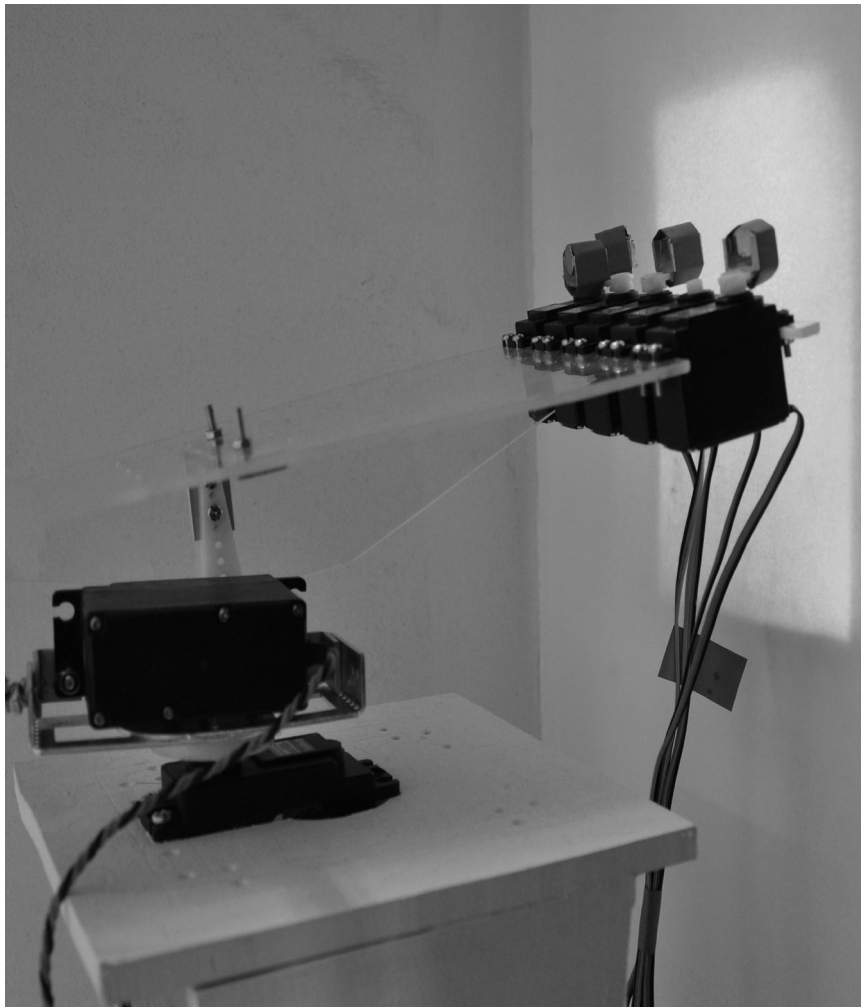


The develop of the mechanism from prototype 1 to the 5th. Also develop the concept of self-assembly structure based on the working model (prototype 2)

1st Element Project , Fabrication of prototype 6 and its first movement in the classroom



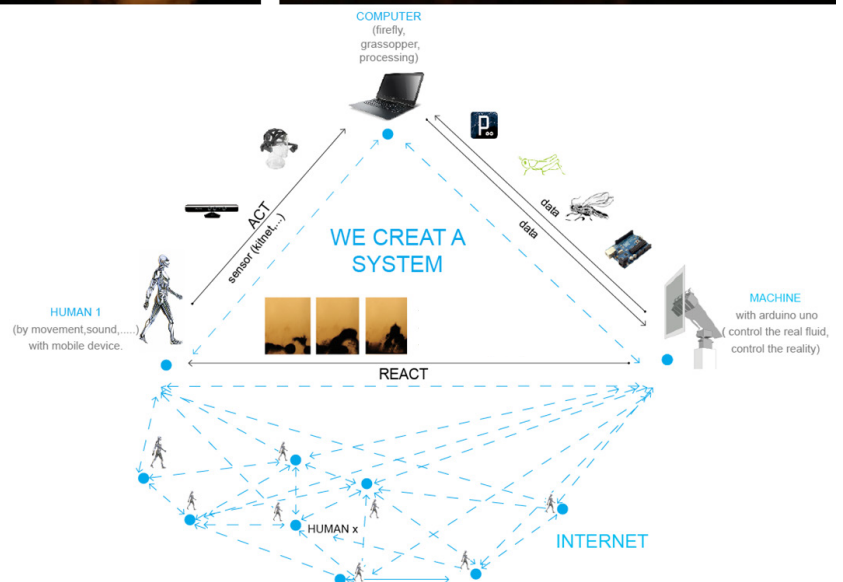
"Flying Fluid" Project



In the "Fly Fluid" project

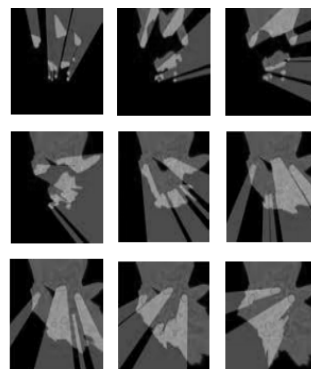
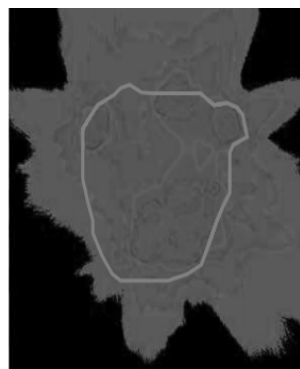
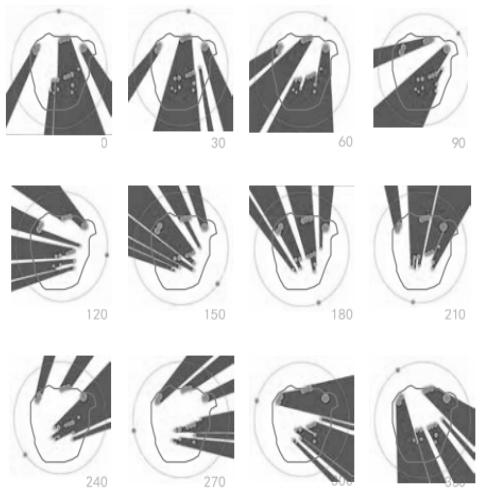
Working with Lin Zhang, in the project, I finished the software, arduino based hardware, I am like a connector connecting the performance of the image to the servo system then to the firefly, then to processing then try to connect to internet. We use five servos and a basic robotic arm (which easily made from another two servo) as the main structure of the device, then we connected to arduino by the application of the software as firefly, grasshopper and processing, we finally can create dynamic images by setting the parameters in laptop. The device can automatically draw an dynamic animation after we added time as another parameter.

We established the interactive process between the human and the image of physical fluid in the screen. When we connect it the internet as shown in the right, it becomes a system about cognition and expression, 2D visual image and 3D behavior in the space.



Computational design research in Beijing

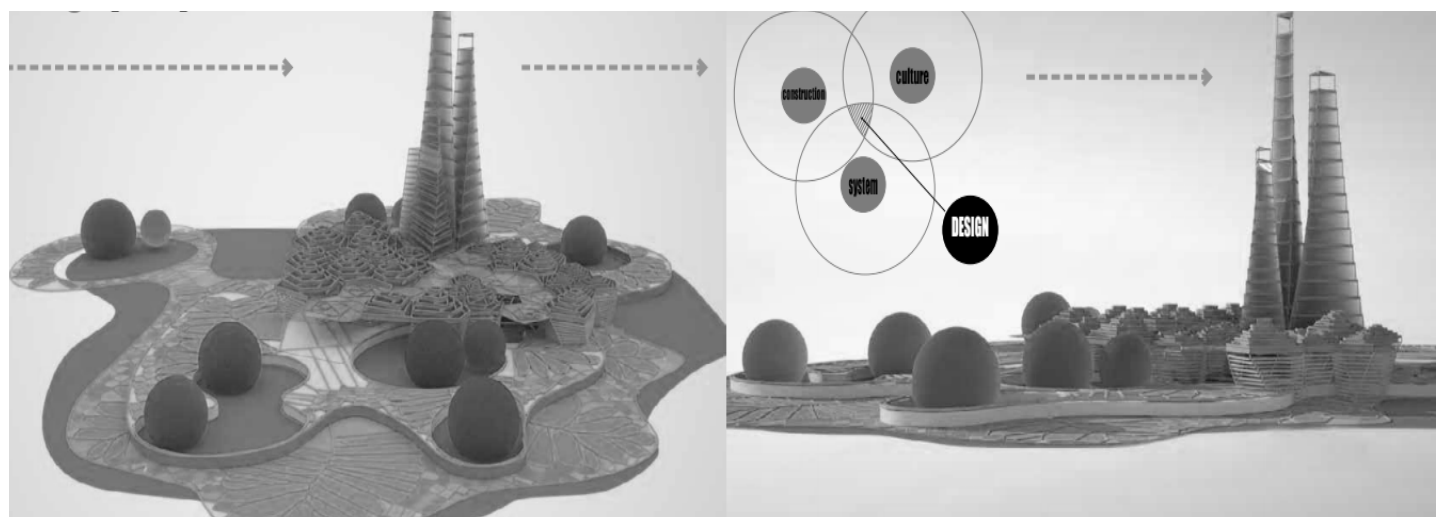
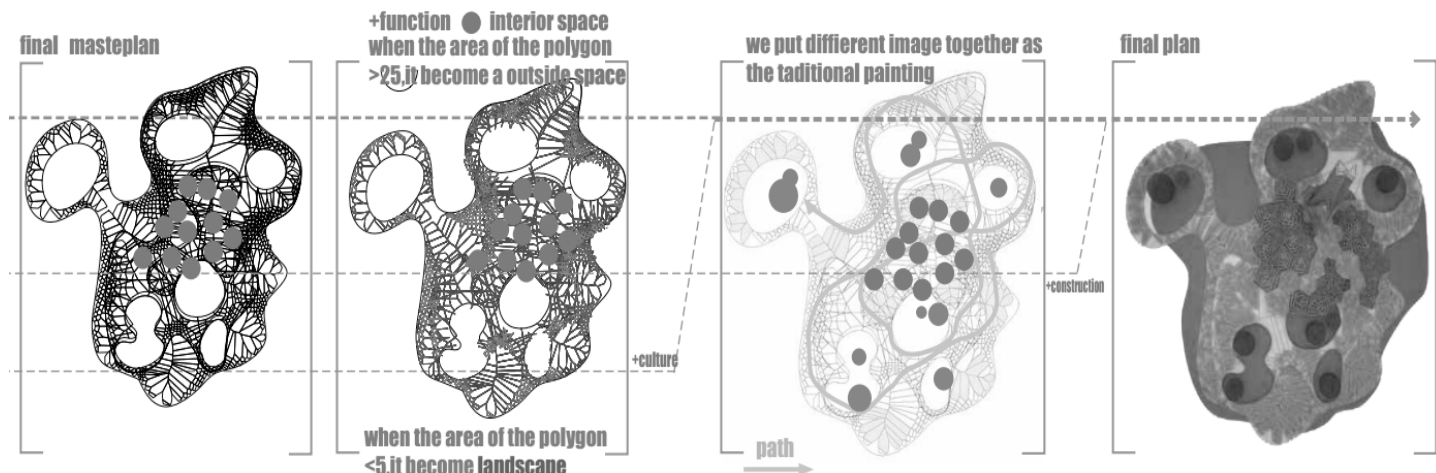
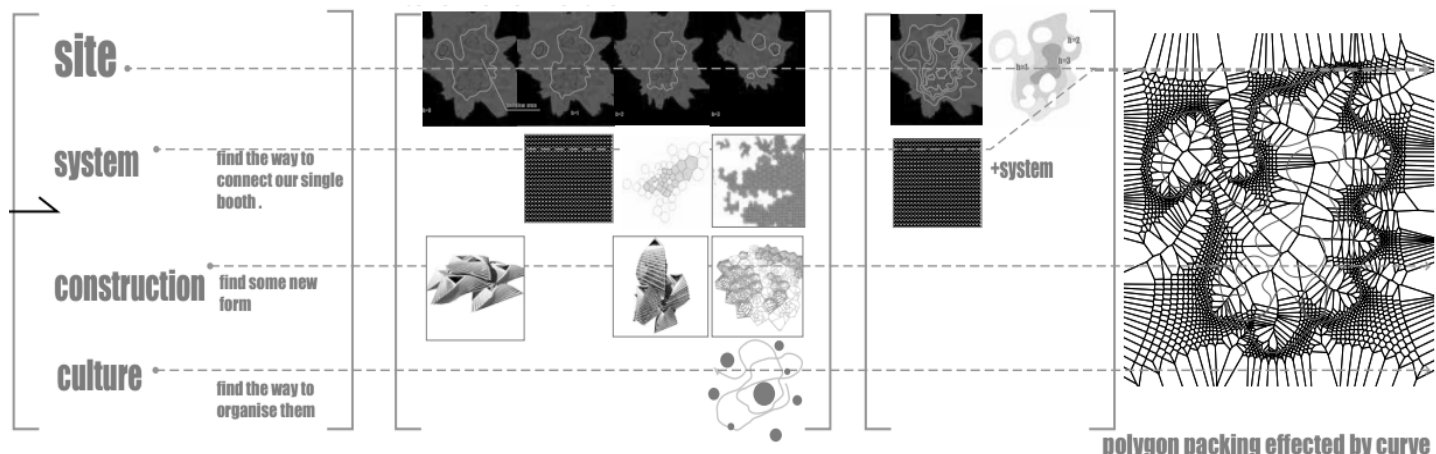
160 spotlight to analyse the "shade" of the exsited trees in the site

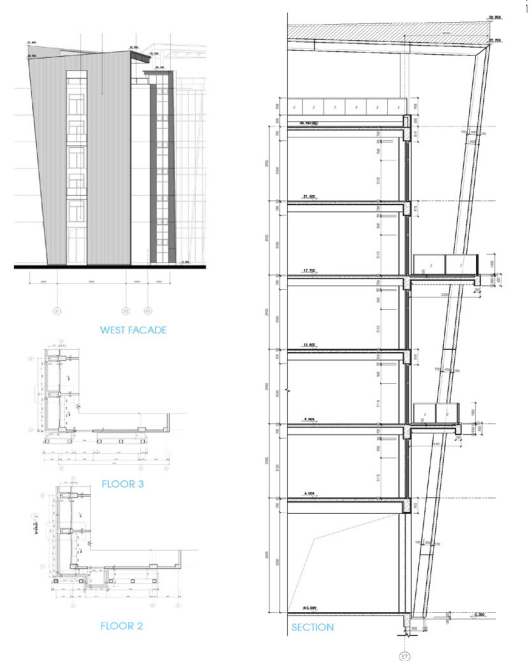
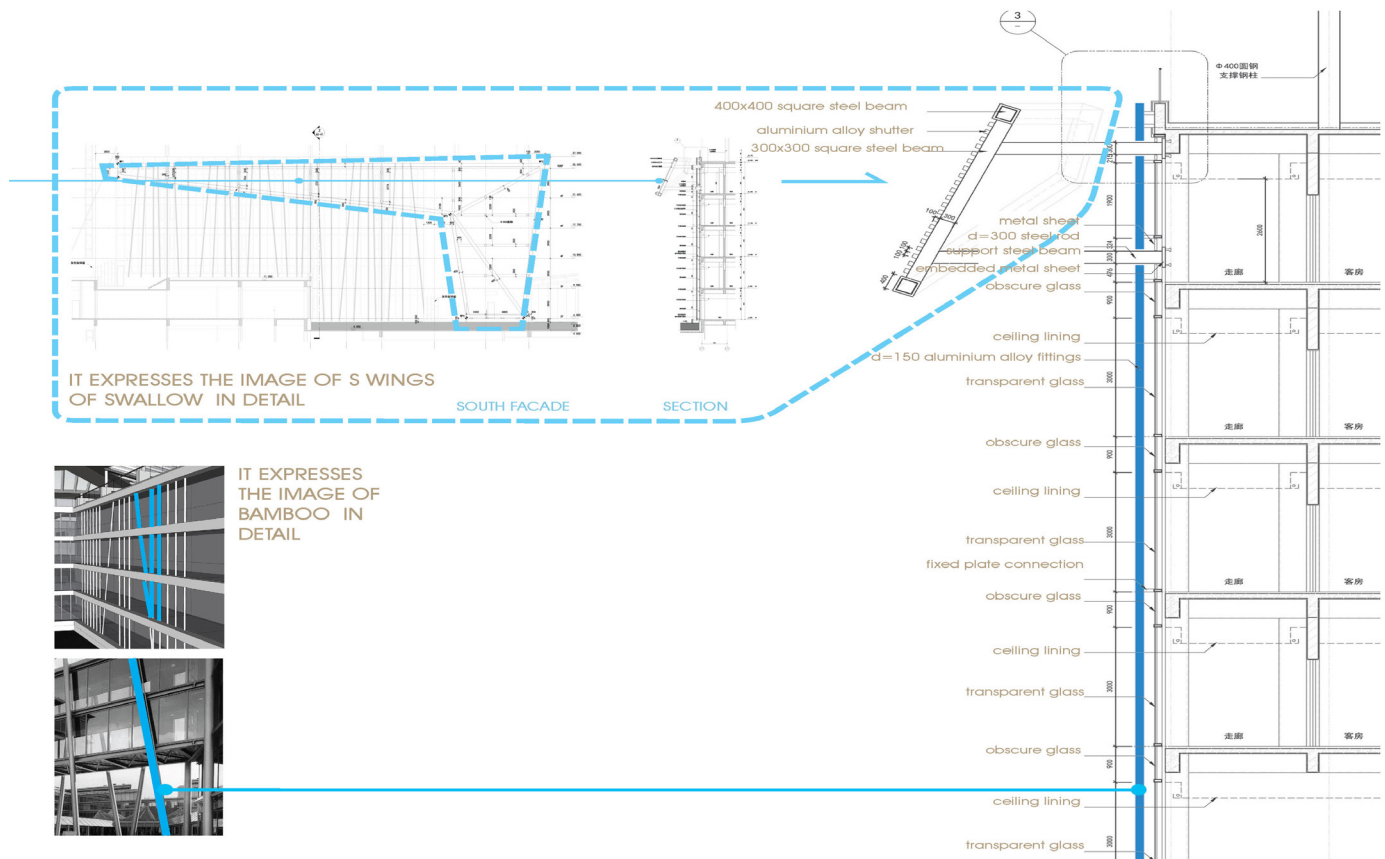


it is difficult to find what is happened in the site, so I change my code in proceesing to use different color to represent the ability of each point in the site to having the view of the lake outside

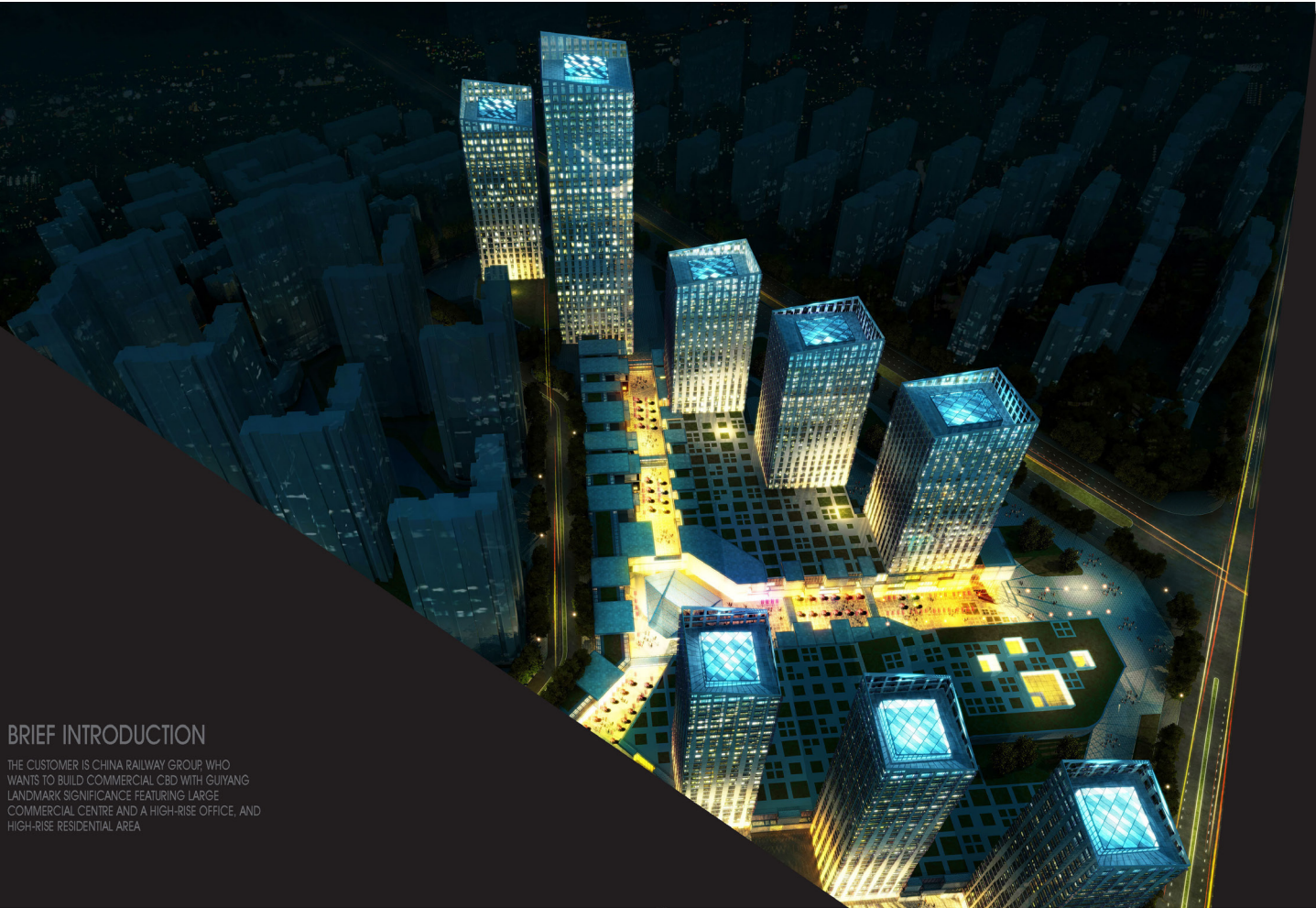
ability of view

60-85	of 360	if (CenterZ[m][n] >= 275 && CenterZ[m][n] < 300)
85-110	of 360	{ nil(180, 18, 94);
110-160	of 360	if (CenterZ[m][n] >= 250 && CenterZ[m][n] < 275)
160-185	of 360	{ nil(180, 18, 125);
185-210	of 360	if (CenterZ[m][n] >= 200 && CenterZ[m][n] < 250)
210-235	of 360	{ nil(180, 18, 159);
235-260	of 360	if (CenterZ[m][n] >= 175 && CenterZ[m][n] < 200)
		{ nil(102, 18, 180);
		if (CenterZ[m][n] >= 150 && CenterZ[m][n] < 175)
		{ nil(18, 60, 180);





Guiyang China Railway Center Project (Peddle Thorp)

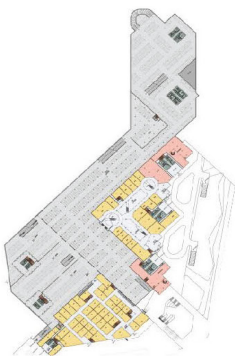


BRIEF INTRODUCTION

THE CUSTOMER IS CHINA RAILWAY GROUP WHO WANTS TO BUILD COMMERCIAL CBD WITH GUIYANG LANDMARK SIGNIFICANCE FEATURING LARGE COMMERCIAL CENTRE AND A HIGH-RISE OFFICE, AND HIGH-RISE RESIDENTIAL AREA

- FLAGSHIP STORE
- SHOPS
- VIDEO GAMES CENTER
- CINEMA
- CATERING
- UNDERGROUND PARKING

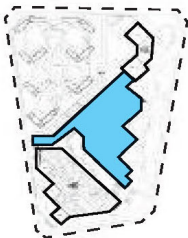
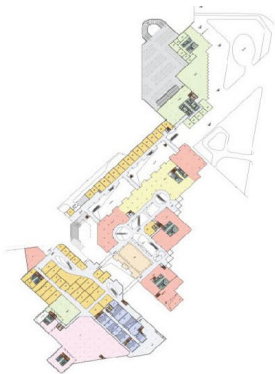
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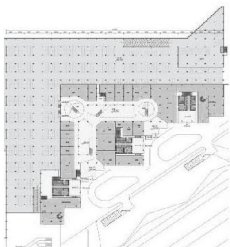
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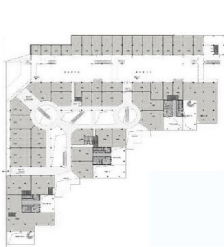
2F



-1F



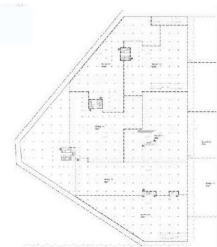
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2F



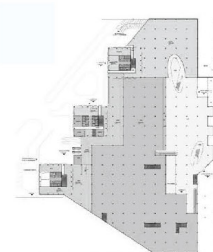
-1F



1F



2F



Super High Building for Opera (Peddle Thorp)



SHAN TEMPLE,
JING OPERA
DUPE CLOSE THE
DUJECT, OUTER OF
CONSTRUCTION
OULD
COMMUNICATE WITH
EXPECTATING
TORICAL DIALOGUE.
RE MODERNITY
D TRADITION ALSO
SLIDES.

